

**What is claimed is:**

Suba1  
1. A liquid crystal display having a signal line in panel for driving gate driver IC, comprising:

5 a gate driving power supply unit for supplying analog signals;

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a control circuit unit for applying control signal to analog signal outputted from the gate driving power supply unit;

10 a correction circuit unit for applying control signal from the control circuit unit to correct analog signal outputted from the gate driving power supply unit into a saw type; and

15 a corrected power supply unit for supplying saw type signals corrected in the correction circuit unit to the gate driver IC.

20 2. The liquid crystal display according to claim 1, wherein the saw type signal has the same cycle as the gate pulse width.

3. The liquid crystal display according to claim 1, wherein the correction circuit unit includes OP Amp or transistor.

4. The liquid crystal display according to claim 1, wherein the gate driving power supply unit includes DC/DC converter having OP Amp or transistor.

5 5. The liquid crystal display according to claim 3 or 4, wherein the OP Amp or transistor is formed on gate turn-on line.

10 6. The liquid crystal display according to claim 3 or 4, wherein the OP Amp or transistor is formed both on gate turn-on line and gate turn-off line.

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